

## **Mike Seaman**

National Weather Service – Salt Lake City  
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### **Educational Background**

- Bachelor of Science in Meteorology, August 2000 – University of Utah
- Associate of Science in Physics, August 1998 – Salt Lake Community College
- Graduate Coursework – SUNY Brockport and USDA Graduate School (6 hours)

### **Career Experience**

- June 2005 – Present  
Senior Forecaster, National Weather Service Salt Lake City, UT
- February 2003 – June 2005  
Senior Forecaster, National Weather Service Kansas City/Pleasant Hill, MO
- August 2001 – February 2003  
General Forecaster – National Weather Service Kansas City/Pleasant Hill, MO
- July 2000 – August 2001  
Meteorological Intern – National Weather Service Elko, NV
- January 2000 – July 2000  
Student Career Experience Program (SCEP) – National Weather Service Western Region Headquarters – Salt Lake City, UT

### **Additional Experience**

- May 1999 – July 1999  
Research Experiences for Undergraduates at the Oklahoma Weather Center

### **Outreach Skills**

- Numerous visits with emergency management, media, and other partners and customers to discuss our office performance, and how we can better suit their needs
- Numerous storm spotter training sessions
- Radar training presentations at Partners Workshops
- Developed and presented radar training for Whiteman AFB forecasters
- Numerous miscellaneous presentations including for civic organizations including scout groups

### **Computer Skills**

- Extensive experience developing web based applications using PHP and HTML, as well as applications utilizing MYSQL databases
- Extensive experience writing AWIPS Applications using Perl and Perl/TK
- Experience writing and modifying shell scripts for Unix/Linux operating systems
- Experience creating and modifying shapefiles using ArcGIS
- Extensive experience developing multi-media presentations using Microsoft Powerpoint. Considerable experience with Microsoft suite of software, including Access, Excel, and Word
- Experience using Dreamweaver and Fireworks to develop and modify web pages

### **Research and Conference/Local Presentations**

- “Observations of Tornado Track Length and Intensity During Two Unusually Active Seasons in the Pleasant Hill CWA” at 2005 Des Moines Severe Weather Conference
- “The Influence of Boundary Interaction and Storm Scale Processes on Tornadogenesis During the May 4th 2003 Tornado Outbreak” at 2004 Des Moines Severe Weather Conference
- “Historic Kansas City Flash Floods” at 2003 Des Moines Severe Weather Conference
- “Elevated Anticyclonic Rotating Storms” at 2002 High Plains Conference
- “Perl/TK” at 2000 Western Region AWIPS Local Applications Workshop
- “Tornado Outbreaks not Associated with Large Hail” at 1999 REU Program
- Several presentations on severe weather, winter weather, and heavy rain at local office seminars

### **Professional Publications**

- NWS WR Technical Attachment TA00-08: Haines Index Application for AWIPS
- NWS WR Technical Attachment TA00-09: Dry Microburst Gust Potential Program for AWIPS
- AWIPS Technical Note 4.2-67: Instructions for Installing Haines Index Software
- AWIPS Technical Note 4.2-68: Instructions to Install Microburst Gust Potential Software

### **Miscellaneous Training and Certification**

- Amateur Radio License (KC0SKU)
- AMS Datastreme Atmosphere Weather Education Resource Certification
- USDA Introduction to Supervision
- NWSTC Field Operations Management
- USDA Graduate School Hydrology for Engineers I
- COMET Advanced Severe Weather/Flash Flood Residence Course
- Customer Service and Effective Media Relations Training
- NOAA E-Learning Leadership Development Courses

### **Awards and Honors**

- Department Of Commerce Gold Medal Organizational Award for May 4<sup>th</sup>-10<sup>th</sup> 2003 Tornado Outbreak at WFO Kansas City/Pleasant Hill
- Department of Commerce Silver Medal Organizational Award for August 2004 Kansas City Flash Flood Event at WFO Kansas City/Pleasant Hill
- Department of Commerce Bronze Medal Award for January 29<sup>th</sup>-31<sup>st</sup> Ice Storm at WFO Kansas City/Pleasant Hill
- Regional Excellence Award for developing regional severe weather verification program, PANDA at WFO Kansas City/Pleasant Hill
- Quality Step Increase (QSI) at WFO Salt Lake City